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OM nucleic - nucleic search, using sw model

Run on: December 6, 2002, 21:31:46 ; Search time 51.5 Seconds  
(without alignments)  
11546.552 Million cell updates/sec

Title: US-10-025-514-7

Perfect score: 1525

Sequence: 1 tctgaccatgtctggaaag . . . . . ccaactcagaatgtatcgac 1525

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 350425 seqs, 194966369 residues

Total number of hits satisfying chosen parameters: 700850

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_NA:\*

1: /cgn1\_6/ptodata/1/pubpna/us07\_pubcomb.seq;\*  
2: /cgn2\_6/ptodata/1/pubpna/pct\_new\_pub.seq;\*  
3: /cgn2\_6/ptodata/1/pubpna/us06\_new\_pub.seq;\*  
4: /cgn2\_6/ptodata/1/pubpna/us06\_pubcomb.seq;\*  
5: /con2\_6/ptodata/1/pubpna/us07\_new\_pub.seq;\*  
6: /cgn2\_6/ptodata/1/pubpna/pctus\_pubcomb.seq;\*  
7: /con2\_6/ptodata/1/pubpna/us08\_new\_pub.seq;\*  
8: /cgn2\_6/ptodata/1/pubpna/us08\_pubcomb.seq;\*  
9: /cgn2\_6/ptodata/1/pubpna/us09\_new\_pub.seq;\*  
10: /cgn2\_6/ptodata/1/pubpna/us09\_pubcomb.seq;\*  
11: /cgn2\_6/ptodata/1/pubpna/us10\_new\_pub.seq;\*  
12: /cgn2\_6/ptodata/1/pubpna/us10\_pubcomb.seq;\*  
13: /cgn2\_6/ptodata/1/pubpna/us60\_new\_pub.seq;\*  
14: /cgn2\_6/ptodata/1/pubpna/us60\_pubcomb.seq;\*

Pred. No. 18 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	442.4	29.0	1345	10	US-09-782-378A-13
2	433.2	28.4	1352	10	US-09-964-124A-545
3	433.2	28.4	1371	10	US-09-964-824A-544
4	411.2	27.0	1390	10	US-09-9765-231A-19
5	224	14.7	594	10	US-09-964-824A-582
6	224	14.7	594	10	US-09-954-456-1989
7	219.2	14.4	1422	10	US-09-865-812-1
8	216.6	14.2	1714	10	US-09-880-107-2090
9	192.8	12.6	1872	10	US-09-917-800A-1421
10	192.8	12.6	1245	10	US-09-880-107-2257
11	182.6	12.0	2051	10	US-09-755-665-13
12	161	10.6	391	10	US-09-917-800A-1325
13	161	10.6	430	10	US-09-960-352-12287
14	161.4	9.6	444	10	US-09-960-352-10531
15	135.8	8.9	418	10	US-09-960-352-14649
16	135.6	8.9	7066	10	Sequence 7066, App
17	134.2	8.8	1710	9	US-09-912-628-2
18	126.2	8.3	1632	9	US-09-912-628-3
19	125.4	8.2	430	10	US-09-960-352-5191

## ALIGNMENTS

RESULT 1  
US-09-782-378A-13  
; Sequence 13, Application US-09782378A  
; Patent No. US02010731A1  
; GENERAL INFORMATION:  
; APPLICANT: Hearing, Patrick  
; APPLICANT: Bahou, Wadie  
; APPLICANT: Sandalon, David  
; TITLE OF INVENTION: Adenoviral Vectors  
; FILE REFERENCE: STONYB-04970  
; CURRENT APPLICATION NUMBER: US/09/782,378A  
; CURRENT FILING DATE: 2001-02-12  
; PRIORITY APPLICATION NUMBER: 60/237,747  
; PRIORITY FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 13  
; LENGTH: 1345  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-782-378A-13

Query Match 29.0%; Score 442.4; DB 10; Length 1345;  
Best Local Similarity 59.9%; Pred. No. 3.2e-104;  
Matches 740; Conservative 0; Mismatches 496; Indels 0; Gaps 0;

QY 284 GTGTTGATGGTATGGTGTAGTCCTGTTCCAGTCAGCCATGGAAAGACCC 343  
Db 32 GTGGGGCATCTCTCTGGCNGCCTGTCCTGGCTGAGATCCTGGCTGAGATCC 91  
QY 344 TCAAGGGAGCCGCTCAAAAACCGGACACCAGTCAGACGCAAGCCATCCGACTTT 403  
Db 92 CCAGGGAGATGCTGCCAGAAGCAGATACATCCCACCATGTCAGATCCTGGCT 151  
QY 404 TAATAAAATTACTCCAAATTAGCCGAATTGCTGTTAGACATTAGCTCA 463  
Db 152 CAACAGATCACCCCACTGCTGTTCCCTCAGCCTATAGCCGAGCTGGCA 211  
QY 464 TCAAGTAAATTCTACTACATTTTTAGTCCTGTTAGCTGCTTCCCAT 523  
Db 212 CCACCTCCACAGCACCATACTCTCTCCAGTCAGCTACAGCTTGCATA 271

Qy 524 GTTGGAGTTAGGTACTAAAGCGATACCCATGACGAGATTAGAAGGTTAAACTTTAA 583  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 272 CCTCCTCCCTGGACCAAGCGTACACTCACGATGAAATCCGGGCTGAAATTCAA 331  
 Qy 584 TTGACCGAAATCCCGAACGCCCCAAATTCACAGGGTTTCACAGGTGTTGAGAACCTT 643  
 Db 332 CCTCAGGAGATCCGGGCTCAGATCCAGGGTTCAGGAAACTCTCTGACCTCT 391  
 Qy 644 GATCAACCTGATTCTCAATTGCAATTAACTACTGGTAAACGGTTTATTTTCTGAGGG 703  
 Db 392 AAACCGCCAGAACGCCAGCTGACCCAGCTGACCTGAGGTCTGGCTAGCGAGGG 451  
 Qy 704 TTTAAATGGTGCACAAATTCTTACGAAACTATATCATAGTGGGCTT 763  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 452 CCTGAAGCTAGTGGTAACTTTGGAGATGTTAAAGCTTACCTGAGAACGCTT 511  
 Qy 764 TACCGTTAATTGGTGTGATCTGGAGAAATTAGTATTGTTGAGAA 823  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 512 CACTGTCACCTGGGATCAGGAAACGATCACAGTAACTGGGAA 571  
 Qy 824 AGGACCCAGGTTAAGTCGTTGACCTGATGTTAAAGCAATTAGTATTGTTGCG 883  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 572 GGACTTAAGGAAATTTGGTGAATTGGTGTACAGAGCACAGTTTTCG 631  
 Qy 884 ATCTAGTTAACTTATTTTCAAGGTAAGTGGGAACTGTCCTTCGAGGTAAAGATA 943  
 Db 632 TCGCTGAAATTACATCTCTTAAAGCAATTGGGAGACTCTTGAAGTCAGGACAC 691  
 Qy 944 TGAAGGAAAGATTTCATGTGATCAAGTTACTACTGTCAAGTCCAAATGATAAG 1003  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 692 CGAGGACGGAGACTTCCACGTTGACCGTGAACCGTGAACGGCCCTATGATGAAAGC 751  
 Qy 1004 ACTGGTATGTCATAATTCAACATGCCAAATAAATTAAGTCTTGGTCUTTAAATGAA 1063  
 Db 752 TTAGGCATGTTAACATCAGCAGCTTAACTGAGCTGTCAGCTGGTACGTAAATGAA 811  
 Qy 1064 GTATTTAGTAACTCCATGCTATTTTACAGACCAAGGTAAGCTCAACATT 1123  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 812 ATACCTGGGAAATGCCACCCATCTTACCTGATAGGGAAACTACACCT 871  
 Qy 1124 AGAGATGACTGACTCATGACATTAACTAAATTAGAACAGGATCGTGTGTTAG 1183  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 872 GAAAATGAACTACCCAGCATATCACACAGTCTGGAAAATGAAGACAGAGGT 931  
 Qy 1184 CGCTCTCAGCCTGGCATACTGGCTAAAGTTAACTTACCGTAAATCTGGTTT 1243  
 Db 932 TGCCACCTTACATTAACCAACATGTCATATCTGAACTTATGAGGTCCT 991  
 Qy 1244 AGGCCAGTTAGTATTACCAAAAGTTTCTACGGTGGCGATTGGTTACTGA 1303  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 992 GGTCACACTGGCATACTGGCTTCCGGCTTACAGTGGCTCAGCACTGGTCAGA 1051  
 Qy 1304 AGAACTCCATTAAATGGTAAAGCTTACATATGATGAA 1363  
 Db 1112 GGGACTGAAGTGTGGCCATGTTAGGCCATCCAAATGTCATCCCGGAGA 1171  
 Qy 1424 AGTTAAATTAAACCATGCTGTTCTGATGTCAGCAGAACACTAAAGCCATT 1483  
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
 Db 1172 GGAGGCACCCCTGANGCTCAGGCCCTGCAATAGGCTGTGACATGAGA 1231  
 Qy 1484 GTTATGGTAAAGGTGTCACCCAACTCAAGAAGTA 1519  
 Db 1232 CTTCTGAAAGTGTGAATCCACCCAAAATA 1267

; Patent No. US20020102531A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horrigan, Stephen  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign  
 ; FILE REFERENCE: 689290-73  
 ; CURRENT APPLICATION NUMBER: US/09/964,824A  
 ; PRIORITY APPLICATION NUMBER: US/09/964,824A  
 ; PRIORITY FILING DATE: 2001-09-27  
 ; PRIORITY FILING DATE: 2000-09-28  
 ; PRIORITY APPLICATION NUMBER: US/60/236,033  
 ; PRIORITY FILING DATE: 2000-09-28  
 ; PRIORITY FILING DATE: 2000-09-28  
 ; NUMBER OF SEQ ID NOS: 583  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 545  
 ; LENGTH: 1352  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(1352)  
 ; OTHER INFORMATION: n-a, t,g or c  
 ; US-09-964-824A-545  
 Query Match Score 433.2; DB 10; Length 1352;  
 Best Local Similarity 59.%; Pred. No. 7.4e-102; Mismatches 493; Indels 0; Gaps 0;  
 Matches 729; Conservative 0;  
 Qy 298 TGTGTGTAAGTCCTGCTGTTCCCAAGTCAAAGGCCATGGAGAACCTCAAGGGGACGGCG 357  
 Db 54 TGGCAGCCTGTCGCTCCGTGCTCCCTGTCAGGATCCTGGGATGCTG 113  
 Qy 358 CTCAAAAACCCACACCGTATCAGCACAAGCCTGACCTTATTAATAATTACTC 417  
 Db 114 CCCAGANGACAGATCATCCACCATGATCAGGATCACAAGTCACCC 173  
 Qy 418 CAAATTGGCCGATATTGCTTTCTGTATAGACAAATTAGCCTATCAAATTC 477  
 Db 174 CCACCTGGCTGAGTICGCTTCAGGCCATACCCGCTACCCAGTCACCC 233  
 Qy 478 CTACATTTTTTAGTGTCTGTTATGGCCTCTGCTCCATGTTAGCTA 537  
 Db 234 CCAATATCCTCTCCACCGTGAACGTCATGGCTACSCCTTGCAATGCT 293  
 Qy 538 CTAAAGCGATACCCATGACGAGATTAGAGGTTAACTTATTCGCGAATTC 597  
 Db 294 CCAAGGCTCACCTCACATGAAATCCGGGCTGAAATTCACCCCTACCGGATTC 353  
 Qy 598 CAGAGCCAAATTCAGGAGGTTTCAGAGTGTGAGACTTGTAACTGTATT 657  
 Db 354 CGGAGGCTCAGATCCATGAGGTTCAGGGCTTCAGCTCCCTCAACCCGAA 413  
 Qy 658 CTCATTGTAATTACTCTGTAACGTTTATTTGTCGAAGGTTAAATTGGTG 717  
 Db 474 ATAAGTTTGGAGATTTAAAGTGTACCACTCAGCCCTGAGGTGATGG 473  
 Qy 778 GTGATCTGGAAAGCTAAAGGAAATTATGTTAGTGTGAAAGGACCCAGGTA 837  
 Db 534 GGACACCGAGCTGAAAGCTTACACGTTACCTGAGGTTTCAGCTTC 777  
 Qy 718 ACAATTCTGAAAGCTGAAAGTAACTATATGAGGCTTAACTCCCTG 533  
 Db 474 ATAAGTTTGGAGATTTAAAGTGTACCACTCAGCCCTGAGGTGATGG 473  
 Qy 898 TTTTTTCAAGGTTAATGGGAAACTCTCTTTCGAGGTAAAGTAACTA 897  
 Db 594 AAATTGGATTGGCAAGGAGCTGAGCTGAGACATGTTTGGCTGGAAATACA 653  
 Qy 898 TTTTTTCAAGGTTAATGGGAAACTCTCTTTCGAGGTAAAGTAACTA 897  
 Db 654 TCTCTTAAAGCCTAATGGGAGAACCTTGTAGTAAAGGAGAACCTGGGACT 713  
 ; Sequence 545, Application US/09964824A  
 ; Sequence 545, Application US/09964824A



RESULT 4

US-09-765-231A-19

Sequence 19, Application US/09765231A

Patent No. US2002019452A1

GENERAL INFORMATION:

APPLICANT: Searle/Monsanto

APPLICANT: Phippard, deborah

APPLICANT: VasanthaKumar, Geetha

APPLICANT: Dotson, Stanton

APPLICANT: Ma, Xiao-Jun

TITLE OF INVENTION: Osteoarthritis tissue-derived nucleic acids, polypeptides, vectors, and cells

TITLE OF INVENTION: vectors, and cells

FILE REFERENCE: S0-3221 PR

CURRENT APPLICATION NUMBER: US/09/765, 231A

CURRENT FILING DATE: 2001-01-18

NUMBER OF SEQ ID NOS: 82

SEQ ID NO 19

LENGTH: 1390

TYPE: DNA

ORGANISM: Homo sapiens

US-09-765-231A-19

Query Match 27.0%; Score 411.2; DB 10; Length 1390;

Best Local Similarity 59.6%; Prod. No. 3.4e-36; Indels 2; Gaps 2;

Matches 729; Conservative 0; Mismatches 493;

QY 298 TGTGTGGTAAGTCCTGTTCCAGTCAGGCCATGGGACCTCAAGGGACGCCGCGC 357

Db 69 TGGAGGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 128

Qy 358 CTCAAAAAAACCGACACCATGATCACGACCAAGACCATCCGACTTTAAATAATTAC 417

Db 129 CCCAGAAGAGATAACATCCACCATGATGAGATCACCCACCTCAACAGATCACCC 188

Qy 418 CAAATTTAGCGGAATTGGCTTTCTTGTATAGACATACTGATCAAGTAATTCTA 477

Db 189 CCAACCTGGTGAAGCTGCTCACGCCAGCTGCACACCGTCAACAGCA 248

Qy 478 CTAACATTTTTTAGCTCTTCTATGCCACTGCTTGCATG-TTGGATTAGT 536

Db 249 CCAATTCCTCTCCCAAGTGGCATGCTCACGCTTGGAAATCTCCCTGGGG 308

Qy 537 ACTAAAGCGATAACCATGAGGATTAGAGTTAAACTTTAATTGACCGAAATC 596

Db 309 ACCAAGGCTGACACTCACGTGAATCCCTGAGGGCCCTGAATTCAACCTCACGGAGAT 368

Qy 597 CCAGAAGCCAAATTCAGGGTTTCAAGAGTGTGAACTTGAATTAACCTGT 656

Db 369 CGGAGGCTCAGATCCATGAGGCTTCCAGAACCTCCGTACCCUTCAACCGCCAGAC 428

Qy 657 TCTCAATTGGAAATTAACTCTGGTAACGGTTTATTTCTGAGGGTTAAATGGT 716

Db 429 AGCCAGCTCAGCTGACCCGCAATGGCTGTCCTCAGCGAGGGCTGAAGCTAGTG 488

Qy 717 GACAATTCCTGAAGAGCTCAAGAACATATATAGTGAGGGTTAACGGTTAATT 776

Db 489 GATAAGTTTGGAGGTAAAGTGTAACTACTGAAAGCTTCATGTCAACTC 548

Qy 777 GGATGATACTGAGGAAGCTAAAGCAATTAAATGATTATGAGAAAGCCACCCAGGGT 836

Db 549 GGGACACCGAAGGGCAAGAAACAGATCAAAGTAACTGGAGAAAGGTACTCAAGGG 608

Qy 837 ARATGTCGTTGACCTTGCTGAAATTAGATGTGAACTTCTGGCAGCTAGTAACTAT 896

Db 609 AAAATGGGATTTGGCAAGGCTGTTGCTCGGTGAAATTAC 668

Qy 897 ATTTTTCAAGGGTAAGTGGGAACCTCCCTTGAGGTAAAGATACTGAGAGGAAGAT 956

Db 669 ATCTCTTAAAGGCAATGGAGACCCCTGAACTGAGAAACCTGAGGAGGAGG 728

Qy 957 TTGATGTTGATAAGTTACTCTGAAAGTCCCATGATGAAAGACTGGTAGTGTTC 1016

Db 729 TTCCACGTCGACCGTCAACCGTCAACCGTCAACCGTCAACTGTTAGGATGT 788

Qy 1017 AATATTCAACATTAAAGTAAATTAAGTCTGGGTTGGCTTATATTGAGATA-TTGGTTAA 1075

Db 789 AACATCAGGACTCTAAGAGCTTACAGCTGAGCTGCTGCGATGAAATACCTGGGCAA 848

Qy 1076 CGCTACTGCTATTTTTTACCAAGGAAAGTCAACCTCAACATTAGGAAATGAGT 1135

Db 849 TGCCACCGGATCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 908

Qy 1136 GACTATGACATTAACTAAATTAGAGCAGGATTCCTGCTGCTGCTGCTGCTG 1195

Db 909 CACCCACGATCATCACAGGCTCCTGAAATGAGACAGAAGGTCTGCCAGTACA 968

Qy 1196 CCTGCCAAAGTAACTATCACGGTACTACGACTTAAATCTGTTAGGCACTTGG 1255

Db 969 TTATACCAAAACTGTCCATTACTGGACCTCATGTCGAAAGCTCCAT 1028

Qy 1256 TATTACCAAAACTTTCTACGGGCCATTGAGTTACTGAGAAAGCTCCAT 1315

Db 1029 CATCACTAGCTCAGCATGGGCTCACCTCTCCGGGTCACAGGAGCCCT 1088

Qy 1316 AAAATTGAGTAAGCTGTTACAAGGGCTTAACTATGAGAAAGGTACCGAGGC 1375

Db 1089 GAGGCTTCCAAAGGGCTGCTTAAGGCTGCTGCTGCTGCTGCTGCTGCTG 1148

Qy 1376 CGCCGGCGCTAATGTTCTGGAGGTATCCATGAGCATCCACAGTAATTTAA 1435

Db 1149 TGTGGGGCCATGGCTTACCCATGCTCTCCCGGAGTCAGTCA 1208

Qy 1436 TAAACCATGTTTCTGAGTGTGAGAACTAAAGGCCAGAACCTAAAGGG 1495

Db 1209 CAAACCCUTGCTCTCCCTCTCATGGAAA 1268

Qy 1496 GGTGTCACCCAACTGAGAAGTA 1519

Db 1269 AGTGGTGAATCCCACCCAAAAATA 1292

RESULT 5

US-09-964-824A-582

Sequence 58, Application US/09964824A

Patent No. US20020102531A1

GENERAL INFORMATION:

APPLICANT: Horrigan, Stephen

TITLE OF INVENTION: Sets

FILE REFERENCE: 68929073

CURRENT APPLICATION NUMBER: US/09/964, 824A

PRIOR APPLICATION NUMBER: US/00/235, 032

PRIOR FILING DATE: 2001-09-27

PRIOR APPLICATION NUMBER: US/60/2356, 033

PRIOR FILING DATE: 2000-09-28

PRIOR APPLICATION NUMBER: US/60/2356, 028

PRIOR FILING DATE: 2000-09-28

NUMBER OF SEQ ID NOS: 583

SOFTWARE: Patientin version 3.0

SEQ ID NO 582

LENGTH: 594

;

TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-954-824A-582

Query Match 14.7%; Score 224; DB 10; Length 594;  
Best Local Similarity 81.2%; Pred. No. 3e-48;  
Matches 260; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

Qy 1.2 TCTGAAAGTCCTTCAGGCCGCGTGTGTCACCAAAAGAGTCGCTTAATGTTGAGA 71  
Db 94 TCTGAAAGTCCTCAAGCTGACTCTCAAACTGACTCTGCTCTAAGAAATCTGCCAGTCCTAGA 153

Qy 72 TACAGAAGCCAGAATGTCATGGCAATGGTCAAGTGAAGAGTGTGCTCA 131  
Db 154 TACAAGAACCTGACTGCCAGAGTGACTGCTGCTAGTGGAGAGAATGTTGCT 213

Qy 132 GACACTGTGTTGATCAAGTGTCAATGCCAGTGTGACACCCAAACTAGAAAG 191  
Db 214 GACACTGTGTTGATCAAGTGTCAATGCCAGTGTGACACCCAAACTAGAAAG 191

Qy 132 GACACTGTGTTGATCAAGTGTCAATGCCAGTGTGACACCCAAACTAGAAAG 273  
Db 214 GACACTGTGTTGATCAAGTGTCAATGCCAGTGTGACACCCAAACTAGAAAG 273

Qy 192 CCAGTAAGTGTCCAGTTACTTACGGTCAATGTTGATGTTGAACTCCAAACTCTGT 251  
Db 274 CCTGGAAAGTGGCCCATGCTGTTGACTCTGATCCAAACCCACAGGAAAG 273

Qy 252 GAAATGACGGTCAATGTTAAGAGACATGTTGAACTGTGTTGAGTGTGTTGAGTC 311  
Db 334 GAGATGGATGGCACTGCAAGTGCTGAGCTGATGGCTAACCCCCAAATTCTGT 333

Qy 312 TGTGTTCCCACTCAAGC 331  
Db 394 TGCCTTCCCTGTGAAGC 413

RESULT 7  
US-09-865-812-1

;

Sequence 1, Application US/09865812

;

Patent No. US20020115626A1

;

GENERAL INFORMATION:

;

APPLICANT: Rastelli, Luca

;

SEQUENCE: Smithson, Glenda

;

TITLE OF INVENTION: Method of Detecting Inflammatory Lung Disorders

;

FILE REFERENCE: 214-02-018 US

;

CURRENT APPLICATION NUMBER: US/09/865-812

;

CURRENT FILING DATE: 2001-05-28

;

PRIOR APPLICATION NUMBER: 60/207,104

;

PRIOR FILING DATE: 2000-05-25

;

NUMBER OF SEQ ID NOS: 5

;

SOFTWARE: PatentIn Ver. 2.1

;

SEQ ID NO 1

;

LENGTH: 594

;

TYPE: DNA

;

ORGANISM: Homo sapiens

US-09-865-812-1

Query Match 14.7%; Score 224; DB 10; Length 594;  
Best Local Similarity 81.2%; Pred. No. 3e-48; Mismatches 60; Indels 0; Gaps 0;

Qy 1.2 TCTGAAAGTCCTTCAGGCCGCGTGTGTCACCAAAAGAGTCGCTTAATGTTGAGA 71  
Db 94 TACAAGAACCTGACTGCCAGAGTGACTGCTGCTAGTGGAGAGAATGTTGCT 213

Qy 132 GACACTGTGTTGATCAAGTGTCAATGCCAGTGTGACACCCAAACTAGAAAG 191  
Db 214 GACACTGTGTTGATCAAGTGTCAATGCCAGTGTGACACCCAAACTAGAAAG 191

Qy 72 TACAGAAGCCAGAATGTCATGGCAATGGTCAAGTGAAGAGTGTGCTCA 131  
Db 154 TACAAGAACCTGACTGCCAGAGTGACTGCTGCTAGTGGAGAGAATGTTGCT 213

Qy 192 CCAGTAAGTGTCCAGTTACTTACGGTCAATGTTGATGTTGAACTCCAAACTCTGT 251  
Db 274 CCTGGAAAGTGGCCCATGCTGTTGACTCTGATCCAAACCCACAGGAAAG 273

Qy 252 GAAATGACGGTCAATGTTAAGAGACATGTTGAACTGTGTTGAGTGTGTTGAGTC 311  
Db 334 GAGATGGATGGCACTGCAAGTGCTGAGCTGATGGCTAACCCCCAAATTCTGT 333

Qy 312 TGTGTTCCCACTCAAGC 331  
Db 394 TGCCTTCCCTGTGAAGC 413

RESULT 6  
US-09-954-456-1989

;

Sequence 1989, Application US/09954456

;

Patent No. US20020115057A1

;

GENERAL INFORMATION:

;

APPLICANT: Young, Paul

;

TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer Cells

;

FILE REFERENCE: 689290-76

;

CURRENT APPLICATION NUMBER: US/09/954-456

;

CURRENT FILING DATE: 2001-09-18

;

PRIOR APPLICATION NUMBER: US/60/233,617

;

PRIOR FILING DATE: 2000-09-18

;

PRIOR APPLICATION NUMBER: US/60/234,052

;

PRIOR FILING DATE: 2000-09-20

;

PRIOR APPLICATION NUMBER: US/60/234,923

;

PRIOR FILING DATE: 2000-09-25

;

PRIOR APPLICATION NUMBER: US/60/235,134

;

PRIOR FILING DATE: 2000-09-25

;

PRIOR APPLICATION NUMBER: US/60/235,637

;

PRIOR FILING DATE: 2000-09-26

;

PRIOR APPLICATION NUMBER: US/60/235,638

;

PRIOR FILING DATE: 2000-09-26

;

PRIOR APPLICATION NUMBER: US/60/235,711

;

PRIOR FILING DATE: 2000-09-27

;

PRIOR APPLICATION NUMBER: US/60/235,720

;

PRIOR FILING DATE: 2000-09-27

;

PRIOR APPLICATION NUMBER: US/60/235,840

;

PRIOR FILING DATE: 2000-09-27

;

PRIOR APPLICATION NUMBER: US/60/235,863

;

PRIOR FILING DATE: 2000-09-27

;

NUMBER OF SEQ ID NOS: 2276

;

SOFTWARE: PatentIn version 3.0

;

SEQ ID NO 1989

;

LENGTH: 594

;

TYPE: DNA

;

ORGANISM: Homo sapiens

US-09-954-456-1989

;

Query Match 14.7%; Score 224; DB 10; Length 594;

RESULT 9  
US-09-917-800A-1421  
Sequence 1421, Application US/09917800A  
; Patent No. US20020119462A1  
; GENERAL INFORMATION:  
; APPLICANT: Mendrick, Donna  
; APPLICANT: Porter, Mark  
; APPLICANT: Johnson, Kory  
; APPLICANT: Castle, Arthur  
; APPLICANT: Elashoff, Michael  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Molecular toxicology Modeling  
; FILE REFERENCE: 44921-5038-US  
; CURRENT APPLICATION NUMBER: US/09/917,800A  
; CURRENT FILING DATE: 2001-07-31  
; PRIOR APPLICATION NUMBER: US 60/222,040  
; PRIOR FILING DATE: 2000-07-31  
; PRIOR APPLICATION NUMBER: US 60/222,880  
; PRIOR FILING DATE: 2000-11-02  
; PRIOR APPLICATION NUMBER: US 60/290,029  
; PRIOR FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: US 60/290,645  
; PRIOR FILING DATE: 2001-05-15  
; PRIOR APPLICATION NUMBER: US 60/292,336  
; PRIOR FILING DATE: 2001-05-22  
; PRIOR APPLICATION NUMBER: US 60/295,798  
; PRIOR FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: US 60/297,457  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/298,884  
; PRIOR FILING DATE: 2001-06-19  
; PRIOR APPLICATION NUMBER: US 60/303,459  
; PRIOR FILING DATE: 2001-07-09  
; NUMBER OF SEQ ID NOS: 1740  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 1421  
; LENGTH: 1714

Db	708	GAGAACTGTGGTGAAGTGGCCATGATGTTGCAAGTCGAGAACCTTCAGTTACCTTCAT	767
Qy	1029	TGCAAAATTAACTGTCTTGGGTCTTAAATGAGTATTAGTTAACGTTACTGCTATT	1088
Db	768	GACTAGAGCTCCCTGGAGCTGGTGGAGATGAACTAACATGTTGACTCATGACATT	827
Qy	1089	TTTTTTTACAGAGGAAGGTTAACCTTCACATTTAGAAATGAGTTGACTCATGACATT	1148
Db	828	TTCATCTCTTCGGGAAAGGGAAAGTGAACACAGTCATCGTGCAC	887
Qy	1149	ATTCAAAATTAACTTACAGAGGATGAGGATGAGGATGAGGATGAGGATGAGGAT	1208
Db	888	ATTACAGGTGGTCCAGGCTGTGACCGAGGCAAGGGAAATGAACTTCAAGGTC	947
Qy	1209	AGTATCACGGGTACTTACGACTTAATCTGTTAGGCCAGTTAGGTATTACAAAGT	1268
Db	948	ACCATCTGGGACTTATGACCTTGAGATGAGGTTGGGAAATGGCATGAGACTTG	1007
Qy	1269	TTTTCTAACGTTGGCAGATTGAGTGTACTGAGAACCTCCATTAAATGGTAA	1328
Db	1008	TTTCAACCCACCGCAATTTCACGCCATCCCCAGACCCCACTGAACTCAAAAG	1067
Qy	1329	GCTTTCACAAAGCCTCTTAACTTATGATGAAAGGTACCGAGGTTGGGCTATG	1388
Db	1068	GTGTCCTAAACCTGTCGAACCTAATGAGGGGTGGAACAGTCGGCCACT	1127
Qy	1389	TTCTGGAGACTATCCAAATGAGCAATTCAACCTGAGCTTCAAGCTATCATTG	1448
Db	1128	GGGTCACCCCAACCTGAGCTTCAACCTGAGCTTCAAGCTTCAACGCCCTTCATC	1187
Qy	1449	TTTCGTGATGATCGAGCAGAACACTAAAGCCCATATGGTTATGGTAAAGTCACCCA	1508
Db	1188	ATCATGATCTCGACCACTTCACCTGGAGCAGCTTCTGGCAGGGTTATGACCCCA	1247

TYPE: DNA  
; ORGANISM: *Rattus norvegicus*  
; FEATURE: OTHER INFORMATION: Genbank Accession No. US20020119462A1 M63991  
; US-09-917-800A-1421

Query Match 14.2%; Score 216.6; DB 10; Length 1714;  
Best Local Similarity 50.5%; Pred. No. 3.7e-46;  
Matches 590; Conservative 0; Mismatches 564; Indels 15; Gaps 2;

Qy 372 ACCAGCATAGGACCAAGACCATCGACTTAAATAATTACTCCAAATTAGCCGA 431  
Db 69 ACCTGTCATTTGCCAACAAATGCCACCTCTATAAGTGCCATTACAATCTGAT 128  
Qy 432 TTGCTTTTGTATAGACAATTAGCTCATCAAGTAATTCTACTACATTTTT 491  
Db 129 TTGCTTCAGCTGATCGAAGCTCTCTGGGAACCCAGATTGACATCUTCTC 188  
Qy 492 AGTCCCTGTTCTATGCCACTGCTTGCATGTTGAGTTGACTAAAGCGATACC 551  
Db 189 TCCCCGTCGACATTCGTCATGGCTTACCTCAGATGGCTTAGCACC 248  
Qy 552 CATGAGGAGATTAGGGTTAACCTTAACCTTAACCTCAGAACATGCAATT 611  
Db 249 CAAACACAGATTGGAGCTTACCTCAGATGGCTTACCTCAGAACATGCAATT 308  
Qy 612 CACGGGGTTCAAGAGTTGTTGAGAACCTTGAACTCAACCTGATTCTCATGCAATT 671  
Db 309 CAACAGGCTTCCAGCATTTGATCTGTTCAATGAACTGGAAATTGCAATT 368  
Qy 672 ACTATGGTAACGGTTTATTGTTGTTGAGGGTTAACCTCAGAACATCCTGAGA 731  
Db 369 CAGTGGGAATGCGAGTTTACCTCAGATGGCTTACCTCAGAACATGCAATT 428  
Qy 732 GACCTCAAAACTATATCATACTGAGGCTTAACTGGTTAAATTGGTGTACTGGAA 791  
Db 429 GATGTGAGCCCTCTATGAAACTGACTCTTCTACTGACTCTCCAAATGCA 488  
Qy 792 GCTAAAAAGCAAAATTAAATGATGTTGAGAACTGTTGACCTTA 851  
Db 489 GCCCCAGATGAGTCAACAGTATGAGGAAACCAAGGGAAATGTTAGGCTA 548  
Qy 852 GTTAAAGGATTAAGCTGATGACCGTTGACTGAACTGATGTTCAAGGGT 911  
Db 549 ATTCAGAACCTCAACCTGAAACATTATGATTCGGTGAACATATTCAAGCC 608  
Qy 912 AAGTGGGAACGTCCTTCGAGTTAAAGATGAACTGAGAG--GAAGATTTCATGTTGAT 968  
Db 609 CAGTGGCAAACTCCTTCGCTTCAATGAGAAGTCCACACTTCAGTGGAC 668  
Qy 969 CAGTTACTCTGTCAAAGTCAATGATGAAAAAGACTGGTATGTCATAATTCACAT 1028  
Db 669 AAGGAGCACCACAGTACAGTGGCCATGATGACCACTGAACTATCATTCAGCTG 728  
Qy 1029 TCCAAAAAAATTAAAGTCTGGCTTATTAAAGTAACTATTTAGTAACGCTACTGCTATT 1088  
Db 729 ATGTTGAGCTGTAAGGAACTGTTCAATGGACTATAGTCGAATATGGCTGCACTT 788  
Qy 1089 TTTCATTTACCTAGACGAAAGTTAAGCTTCACAAATTAGAGATGAGTTGACTCATGACATT 1148  
Db 789 TTGTCGCTTCGGAAAGGACGACATGGGATGGGGGAACTGGCTTAAACAA 848  
Qy 1149 ATTACTAAATTAGAGAAGGAGATCGTGTGTTACCTGAGAGCTCCAAAGGTTA 1268  
Db 849 CTGAAAGCTGAAACCTTATGCAAGATGGTGAATGTTGTTCAAAAGT 908  
Qy 1209 AGTACACCGTACATTAGCTTAAATCTGTTAGGCACTGTTCAAGT 1208  
Db 909 TCCATTCTGCACTATGCTGGAACTCAACTTCAGAAGTGGPATGAGGATGCC 968  
Qy 1269 TTTCATCAACGGCGATTGAGCTGTTACCTGAGGCTTCCTGCAATGAACTTACCTGAAAGT 1328  
Db 969 TTGTCGAAAGTGTGACTCTGGAACTCAAAAGGAACTGGTAAATTTCTCCT 1029

Qy 1329 GCTGTCACAAAGGCCCTTAACATTTGATGAAAGGGTACCGAGGCCGGCTATG 1308  
Db 1029 GCTTTCACAAAGGCCCTGTCACATGGTACATGTTGAAAGGGAACTTACAA 1088  
Qy 1389 TTCCATGGAAAGTCTGACTCTGGAACTCAACTTCAGAAGTGGPATGAGGATGCC 1148  
Db 1089 GAAGCTGGATCTGATCTGGCTAGCTCCTACGCTGTCATCCGATTGGAT 1148  
Qy 1437 AAACCATTCGTTTCTGATGTCAGCCAGAATGTCCTCTACGCTGTCATCCGATTGGAT 1496  
Db 1149 AGACATTCCTACTGATGCTTGAAGAACAGAACTGGTAAATTTAGGTTA 1208  
Qy 1497 GTGTCAACCCAACCTCAGAAGTACTGAC 1525  
Db 1209 GTGTGACCCAAACAAAGGATAAAC 1237

RESULT 10  
US-09-880-107-2257 ; Sequence 2257, Application US/09880107  
; Patent No. US20020142981A1 ; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scharf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 4491-528-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; CURRENT FILING DATE: 2001-06-1  
; PRIORITY NUMBER: US 60/211,379  
; PRIORITY FILING DATE: 2000-06-14  
; PRIORITY APPLICATION NUMBER: US 60/237,054  
; PRIORITY FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 350  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 2257  
; LENGTH: 1872  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE: OTHER INFORMATION: Genbank Accession No. US20020142981A1 M14091  
US-09-880-107-2257

Query Match 12.6%; Score 192.8; Length 1872;  
Best Local Similarity 4.92%; Pred. No. 5.1e-40;  
Matches 574; Conservative 0; Mismatches 577; Indels 15; Gaps 1  
; Matches 574; Conservative 0; Mismatches 577; Indels 15;

Qy 373 CAGCTCATCGAGCAAAAGACCTCCGACATTTCATAAAATTACTCCAAATTAGCCGAAT 432  
Db 416 CCTGGCCATTTCATCCAAACCAAAATGCCACCTCTCAGGATGTCATCCATTAAATGCTGACT 475  
Qy 433 TTGCTTTCTTGTATAGCAATTAGCTCATCAAGTATTCTACTAATTTT 492  
Db 476 TTGCTTCAATCTGACCGAGGTTCACTGTTGAGACCCAGATAAGACATCTCTCTT 535  
Qy 493 GTCCCTGTTCTATGCCACTGCTGCTGCAATGTTAGGTACTAAAGCCGATACCC 552  
Db 536 CCCCTGTGACCATTCGAGCTTGTGTTGTTGCTGTTGAGCACC 595  
Qy 553 ATGAGGAGATTAGAGGTTAAACCTTAATTGACCGAAATCCAGAACCCAAATTC 612  
Db 596 AACTGAGATGTTGAGCTGGACCTTGGGTCAACCTCAGACATCCATGGTAAAGTC 655  
Qy 613 ACAGGGTTTCAGAGTTGAGCTTGTGTTGAGCTTGTGTTGAGCACC 715  
Db 656 AGCATGGCTTCAGCATCTGATCTGTTACTGAACTGGAAATTC 775  
Qy 673 CTACTGGTAACGGTTTATTTGTCAGGTTAAATTTGGTCAATCCGTTTCAAGGAACTGGCAATTC 775  
Db 716 AGATAGGAATGCTCTCATGGCAGCACTTCAGACATCCATGGTAAAGTC 715

1/ NUMBER OF SEQ ID NOS: 118  
 2/ SOFTWARE: PatentIn Ver. 2.1  
 3/ SEQ ID NO: 13  
 4/ LENGTH: 1245  
 5/ TYPE: DNA  
 6/ ORGANISM: Homo sapiens  
 7/ FEATURE:  
 8/ LOCATION: (1)..(1245)  
 9/ US-09-755-665-13  
 10/ Query Match: 12 6%; Score: 192; 2; DB 10; Length 1245;  
 11/ Best Local Similarity: 49 2%; Pred. No. 6-40; Indels: 6; Gaps: 1;  
 12/ Best Local Similarity: 49 2%; Pred. No. 6-40; Indels: 6; Gaps: 1;  
 13/ Matches: 537; Conservative: 0; Mismatches: 548;  
 14/ QY 429 GAATTGCTTTTCCTTGATAGACAATTAGTCATCAAGTAATTCTACTAACATTTC 488  
 15/ DB 160 GACTTAGCTTAACTGCTCAAGAGCTGGCTTTAACACCCTGGGAAACATTC 219  
 16/ QY 489 TTAGTGCCTGTTCTATTGCGACTGCTTCGCACTGTTAGCTAAGCGAT 548  
 17/ DB 220 CTATCCCTCTGAGCATCTACAGCTTCTACAGCTTCTCCATGCTCTGGCTTG 279  
 18/ QY 549 ACCCATGAGGATTTGAGGTTAAATTGACCGAAATCCAGAAGGCCAA 608  
 19/ DB 280 ACCCTGAGAGATCAAGCAGGGTTCACACTTCGAAAG-----ATGCCAGAAAAT 333  
 20/ QY 609 ATTCACGGGTTTCAAAGAGTTGTGAGACATTGAACTCTGATTCTCAATTGCA 668  
 21/ DB 334 CTTCATGAGGGCTTCATACATCATCACAGCTGACCCAGGACCTCA 393  
 22/ QY 659 TAACTACTGTAACGGTTTATTGTTGAGGTAAATTGGTGCACAAATTCCA 728  
 23/ DB 394 CTGAGCATGGGAACCTGTCATGACCCAGGCTGACCCAGGACCTCA 453  
 24/ QY 729 GAAGACGTCAGAAACATATATGAGGCTTAATTGGGATACTGAGTGTAG 788  
 25/ DB 454 GAAATGGCAAGAACCTTACAGTGGTTGATCCACTGCAAGTGTGG 513  
 26/ QY 789 GAAGCTAAAGCAATTAAATGATTATGTTGAGAAAGGCCAGGCTGCGCC 848  
 27/ DB 514 ATGGCTCAAGGAGATCAATGACTTATCAGTCACAAACCCATGGAAATTACAC 573  
 28/ QY 849 CTAGCTAAAGAAATTAGTGTGATGGCTAACCTTACCAACTGAACTTTTCAG 908  
 29/ DB 574 CTGAGCTGAGATAATGACCCGGCACTGTTGATGTTCTGCAATTATTCCTGCA 633  
 30/ QY 909 GGTAACTGGGAACAGCTCCTTCGAGCTTAAAGATACTGAGGAGAAATTTCATGTGTT 968  
 31/ DB 634 GGCAGTGGANACANGA GTTGTGATCAGATGTTCTCCCTAGTGGCATATAACAGTT 693  
 32/ QY 969 CAAGTACTACTGTCAAAGTCCATTGAGAAAGCTGTTAGTGAATATTCAACAT 1028  
 33/ DB 694 AAAAACGTTCAAGGCTCCATGAGGAAATTACAGTGGCTTCTGGCTAT 753  
 34/ QY 1029 TGAAAATAAATTAAGTGTGTTGCTCTTATATGAGATTTAGCTGTTATT 1088  
 35/ DB 754 GAGGATAGGCTCTTCACCATCCCTGAAATACTCAGCCATTACAGCCATC 813  
 36/ QY 1089 TTTTTTACCAAGGAGGAAGCTCAACATTAGAGAATGAGTGCATGACATT 1148  
 37/ DB 814 TTACATCCTCCCTGATGGGGCAAGCTGAGGCTTCTGCACTGCAAGTT 1208  
 38/ QY 1149 ATTACTAAATTAGAAGACGGAAAGCTGCTTAGGCCTTCTGCACTGCAAGTT 1148  
 39/ DB 874 TTCTCCAGTGGAAACATCTGTCAGCTGGCTTAGACGTGCTGACACTC 933  
 40/ QY 1209 AGTACACGGTACTAGACCTAAATCTGTGTTAGCCAGTTAGCTGAACT 1268  
 41/ DB 934 CACATGACGGCACCTGACCCCTACATGGTGTCAAGGAGACTCTCCT 993  
 42/ QY 1269 TTTCTAACGGCGATTGAGGTTACTGAGAAGCTCCATTAAATTGAGAAA 1328

RESULT 12  
 US-09-917-800A-1325  
 ; Sequence 1325, Application US/09917800A  
 ; Patent No. US2002119462A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mendrick, Donna  
 ; APPLICANT: Porter, Mark  
 ; APPLICANT: Johnson, Cory  
 ; APPLICANT: Castle, Arthur  
 ; APPLICANT: Blashoff, Michael  
 ; APPLICANT: Gene Logic, Inc.  
 ; TITLE OF INVENTION: Molecular Toxicology Modeling  
 ; CURRENT APPLICATION NUMBER: 44921-5039 US  
 ; CURRENT FILING DATE: 2001-09-17, 800A  
 ; PRIOR APPLICATION NUMBER: US 60/222, 040  
 ; PRIOR FILING DATE: 2000-07-31  
 ; PRIOR APPLICATION NUMBER: US 60/222, 880  
 ; PRIOR FILING DATE: 2000-11-02  
 ; PRIOR APPLICATION NUMBER: US 60/290, 029  
 ; PRIOR FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: US 60/290, 645  
 ; PRIOR FILING DATE: 2001-05-15  
 ; PRIOR APPLICATION NUMBER: US 60/292, 336  
 ; PRIOR FILING DATE: 2001-05-22  
 ; PRIOR APPLICATION NUMBER: US 60/295, 798  
 ; PRIOR FILING DATE: 2001-06-06  
 ; PRIOR APPLICATION NUMBER: US 60/297, 457  
 ; PRIOR FILING DATE: 2001-06-13  
 ; PRIOR APPLICATION NUMBER: US 60/298, 884  
 ; PRIOR FILING DATE: 2001-06-19  
 ; PRIOR APPLICATION NUMBER: US 60/303, 459  
 ; PRIOR FILING DATE: 2001-07-09  
 ; NUMBER OF SEQ ID NOS: 1740  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 1325  
 ; LENGTH: 2051  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 ; FEATURE:  
 ; OTHER INFORMATION: Genbank Accession No. US20020119462A1 D00753

Query Match 12.0%; Score 182.6; DB 10; Length 2051;  
 Best Local Similarity 50.5%; Pred. No. 2.2e-37;  
 Matches 499; Conservative 0; Mismatches 484; Indels 6; Gaps 2;

Db 994 TTTGAGGAACATGGTATCCAAAGTCGCCCTCATCGCAGCTGAAAGTGGCGAG 1053  
 Qy 1329 GCTGTTCACAAGCCGTSTTAACTATGATGAAAGGTACCGAGGCCGGCTATG 1388  
 Db 1054 GCTGTGCAAGGGTGTGACCTGATGAGATGATGAGGGTAGGGGAGGGCTGACCC 1113  
 Qy 1389 TTCTGTGAAAGCTTCCATGATGAACTTCAACAGAACTTAAATAAACCATTCGTT 1448  
 Db 1114 GGACCACAGACTCTGCCATGATGAGACACACTCGTGTGAGATAGACAACCCATATG 1173  
 Qy 1449 TTCTGTGATGATGATGAGACAACTAAAGCCCATTTGGTGTAGGGTGTAACTCC 1508  
 Db 1174 CTGCTGTTTACAGCGGAAATAACCTTCTCGTGTCTTCTGGAAAGTTAACCT 1233  
 Qy 1509 ACTCAGAGATA 1519  
 Db 1234 ATTGGAAATA 1244

Db 298 TCTTCCTCCCACTTAGCATCTAGCCCTTGGCTCTCGTGTGGAGAAAGGGCA 357  
 Qy 547 ATACCATGAGCAGATTTAGGGTTAACTTAATTGACCTAAATCCAGAGGCC 606  
 Db 358 ACAGCATGAGAAGATCTAGGGCTCAAGGCTCAATCTACAGAGACCCCTGAGAC 417  
 Qy 607 AATTACAGGGTTTCAAGGTTGAAACTTGAATCAACCTGATTCAATG 666  
 Db 418 AAATCCACGGGGCTGGACACCTCTCCAGAGCCAAAGGACGATAC 477  
 Qy 667 AATTAACTACTGTAACGGTTATTGTTGCTGTGAAAGGTTAAATGGTTGACAAATTC 726  
 Db 478 AGATCACTACAGGCAATGCCCTACGGCTGTTATTGAAAAAAGCCCTGGCAGATC 537  
 Qy 727 TAAAGAGCTGTCAGAAACTATATCATACAGGGTTTACCGTTAATTGGTGTACTG 786  
 Db 538 AGGAGAGGCAAGGGCTGACCAAGGCTGAGGCTTACAGCTGATTTCCAGCAGCTC 597  
 Qy 787 AGGAACCTAAAAGCAAAATATGATGATGTTGAGAAAGCAGCCAGGAAAGTCTTGG 846  
 Db 598 GTGAGGCCAAAAGCTCATAAATGACTATGAGTAACAGACCCAGGGAAATCAG 657  
 Qy 847 ACCTAGTTAAAGAATTGATGCTGATACCGCTCTGGCACTAGTTAACTATTTTTCA 906  
 Db 658 GACTGATCACAACCTAGCTTAAGAGACATCCATGGTACTGGTAATTACATCTACTTA 717  
 Qy 907 AGGTAACTGGAAGCTGCTTCAAGGTTAAAGATACATGAGAAGGAGATTTCTCAGTTG 966  
 Db 718 AAGGAAATGAAAGTGGCAAAATCCAGCTGAGTGTACTCTACTCTG 777  
 Qy 967 ATCAGTTTACTACTGTCAAAGTTCACATGTAAGAAAGACTGGTATGTTCAATATCA-- 1024  
 Db 778 GCAAAAGGGAGGCCCTGTAAGGCTTGTGAAAGTGGCCATGAGCTTGTAG 837  
 Qy 1025 -ACATTGCAAAAATTAACTGTCCTGGCTTTATAAGAATGTTAGCTAACGCTACTG 1083  
 Db 838 TCCGGGATAGGGCTGACTGCTGACTGCTGACTGCTGACTGCTGACTGCTG 897  
 Qy 1084 CTATTTTTTACCAACAGGAGCTCAACATTAGAATGAGTTAGCTAACGCTACTG 1143  
 Db 898 CCCCTGTTATCCCNCCCTGACCCGGCAGATGCGAGCTGGTGAAGCAGCTGGCACTCAG 957  
 Qy 1144 ACATTAACTAAATTAGA--GAACGAGGATCTCGTAGCCCTCTCGTGCACCTGC 1200  
 Db 958 AGACCCCTGGAGATGGAGGCTCTCAGGCCAGCATAGATGACCTGC 1017  
 Qy 1201 CAAGTTTAACTGATCACCCTGACTAAATCTGTTAGCCAGTTAGTTA 1260  
 Db 1018 CCAGTGTCTCCATCTGCTGATCAAACTGGAGGACGTCCTTCAGAGCTGGCACTCA 1077  
 Qy 1261 CCAAGTTTCTCAAGGTGCTGTTCAAACTGTTGACTGTTACTGAAAGGTCATTAATA 1320  
 Db 1078 AAGAAGCTTCACAGGCTGACTCTGCTGGATACAGGGGATTAAGGACTGTG 1137  
 Qy 1321 TGAGTAAGCTGTTCAAAAGCTTAACTATGATAAAAGGTACCGAGGCCGG 1380  
 Db 1138 TCTCTCAGGCTGCCACAGCTGTTCTGGATGTSGGCTAGACAGGCAAGCG 1197  
 Qy 1381 GCGCTATGTTCTGGAGGCTPATCCAAATG 1409  
 Db 1198 CTGCCACAGGGTCAAAATTGTTCCAAATG 1226

RESULT 13  
 US-09-960-352-12287  
 ; Sequence 12287, Application US/09960352  
 ; Patent No. US2002137139A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Warren, Wesley C.  
 ; APPLICANT: Bayt, John C.  
 ; APPLICANT: Mathialagan, Nagappan  
 ; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND

TITLE OF INVENTION: 1. MUSCLE AND FAT DEPOSITION	
FILE REFERENCE: 16511.006/37-21(10298)C	
CURRENT APPLICATION NUMBER: US/09/960,352	
CURRENT FILING DATE: 2001-09-24	
NUMBER OF SEQ ID NOS: 15112	
SEQ ID NO: 12287	
LENGTH: 391	
OTHER INFORMATION: OTHER INFORMATION: Clone ID: 52-LIB34-079-Q1-E1	
ORGANISM: Bos taurus	
TYPE: DNA	
OTHER INFORMATION: SEQ ID NOS: 09-960-352-12287	
Query Match 10.6%; Score 161; DB 10	
Best Local Similarity 64.2%; Pred. No. 3.8e-32	
Matches 242; Conservative 0; Mismatches 13	
Matches	
2y	660 CAATTCGAATTAACTAACGTGTTAACGGTTTATTGTCGAGA
Db	2 CAGCTGCAACTGACCACTGGGAATGGTCGTTCTCATCAATGAA
2y	720 AATTCCTAGAGAACGCTCAAGGAACATATAGTGGCC
Db	62 AGCTTTGGGGATCTCAACCGTATACCTCGAAGC
Qy	780 GATACTGAGGAAGCTAAAGCCAATTAATGATTATGGTGA
Db	122 GATGCTGAGGGCCAAAGAAGATCAACCATTAATGTAAG
Qy	840 ATCGTGCACCTAGCTTAAAGAATTAGATCCTGATAACGCTT
Db	182 ATGTTGGAGTGTAAAGGGTAAAGGGTCTGTGACCAACACATTG
Qy	900 TTTCACAGGTAAAGTGGAAACCTCTTCGAGGTTAAAGG
Db	242 TCCCTTAAGAAATGGGAGANGCCCTTCGAGATGAGC
Qy	960 CATTGATCAAGTTACTACTGTCTCAAAGTTCATGATGA
Db	302 CATTGGACGAGCAACCATGTGAAGGTGCCATGATGA
Qy	1020 ATTCAACATGGCAAAA 1036
Db	362 CTCCACATCTGGACAA 378
RESULT 14	
US-09-960-352-10531	
Sequence 10531, Application US/09960352	
; Patent No. US/09/2013719A1	
; GENERAL INFORMATION:	
; APPLICANT: Warren, Wesley C.	
; APPLICANT: Tao, Nengbing	
; APPLICANT: Byatt, John C.	
; APPLICANT: Mathialagan, Nagappan	
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLLUSC	
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION	
; FILE REFERENCE: 16511.006/37-21(10298)C	
; CURRENT APPLICATION NUMBER: US/09/960,352	
; CURRENT FILING DATE: 2001-09-24	
; NUMBER OF SEQ ID NOS: 15112	
; SEQ ID NO: 10531	
; LENGTH: 430	
; TYPE: DNA	
; ORGANISM: Bos taurus	
; FEATURE:	
; NAME/KEY: unsure	
; LOCATION: (398)	
; OTHER INFORMATION: unsure at all n locations	
; OTHER INFORMATION: Clone ID: 45-LIB34-014-Q1-	
US-09-960-352-10531 .	
; Query Match 9.6%; Score 146.4;	
; Best Local Similarity 60.5%; Pred. No. 2.3e-	

Qy	646	ATCAAACCTGATTCTCAATTCAATTAACTACTGGTAACCGTTTATTCTTGCTGAAGTT	705
Db	274	ACCAAGCCAAACCCACCAAGCTGCACTGACCACTGCAATTGCAATTGCTCATCAATGAGATG	333
Qy	706	TAAAATTGGTGACAAATTCTAGAAGAGCTCAAGAAACTATATCAGTGAAGCTTTA	765
Db	334	CAAAGCTAGTGGATACGGTTGGGGTCAAGAACCTGTATCACTCCGAGCCCTCT	393
Qy	766	CCGTTAATTGGTGTATCTGAGAAGCTAAAGCAATTAAAGCAATTATGATTATG	816
Db	394	CCATCAACTTCAGGGATGCTGAGGCCAAGAAGATCAACGTTATG	444

Search completed: December 6, 2002, 23:36:41  
Job time : 61.5 secs

